Appendix A

2. (Amended) The isolated nucleic acid molecule of Claim 4 that is RNA.

3. (Amended) The isolated nucleic acid molecule of Claim 4 that hybridizes under stringent hybridization conditions with a nucleic acid having a sequence selected from the group consisting of any of SEQ ID NOs:1, 3, 5, 7, 9, 18, 19 and 21.

B2

4. (Amended) An isolated nucleic acid molecule that encodes a polypeptide selected from the group consisting of an insect p53 polypeptide, a dominant negative form of said insect p53 polypeptide, a constitutively active form of said insect p53 polypeptide, and a domain of said insect p53 polypeptide selected from the group consisting of an activation domain, a DNA binding domain, a linker domain, an oligomerization domain, and a basic regulatory domain; wherein said insect p53 polypeptide comprises an amino acid sequence selected from the group consisting of: RICSCPKRD (SEQ ID NO:23), KICSCPKRD (SEQ ID NO:24), RVCSCPKRD (SEQ ID NO:25), KVCSCPKRD (SEQ ID NO:26), RICTCPKRD (SEQ ID NO:27), KICTCPKRD (SEQ ID NO:28), RVCTCPKRD (SEQ ID NO:29), KVCTCPKRD (SEQ ID NO:30), FXCKNSC (SEQ ID NO:31), and FXCQNSC (SEQ ID NO:32), wherein X is any amino acid.

B3

7. (Amended) The isolated nucleic acid molecule of Claim 4 wherein the insect p53 polypeptide comprises an amino acid sequence selected from the group consisting of any of SEQ ID NOs 2, 4, 6, 8, and 10.

B4

11. (Amended) A vector comprising the nucleic acid molecule of Claim 4.

12. A host cell comprising the vector of Claim 11.

B5

13. (Amended) A process for producing a p53 polypeptide comprising culturing the host cell of Claim 12 under conditions suitable for expression of the p53 polypeptide and recovering the polypeptide.